

Claims

1. A lamp (10, 10'), comprising at least one base (11, 11') for connection to a luminaire-side lamp fitting and at least one LED element (12), characterized in that two or more LED elements (12) are provided which are arranged spaced apart from the base and are combined to form one module (13, 13').
2. The lamp as claimed in claim 1, characterized in that the module (13, 13') is prefabricated in the form of a separate element which is to be fixed to the base (11, 11') of the lamp.
3. The lamp as claimed in claim 1 or 2, characterized in that two or more LED elements (12) are at least partially combined to form an essentially row-like arrangement, in particular to form a linear arrangement (13, 13').
4. The lamp as claimed in claim 3, characterized in that the linear arrangement (13, 13') is aligned essentially along a longitudinal axis (L) of the lamp.
5. The lamp as claimed in one of the preceding claims, characterized in that the LED elements (12), in particular individually, are designed such that they can be dimmed and/or switched on or off.
6. The lamp as claimed in one of the preceding claims, characterized in that the module (13) is essentially light-permeable.
7. The lamp as claimed in one of claims 1 to 5, characterized in that the module (13') is designed to be at least partially essentially reflective or light-scattering.

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8. The lamp as claimed in one of the preceding claims, characterized in that a bulb element (16, 24) is provided which at least partially envelops the
5 module.

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9. The lamp as claimed in claim 8, characterized in that the bulb element (16, 24) is made of plastic.
10. The lamp as claimed in claim 9, characterized in
5 that the plastic contains diffusers.
11. The lamp as claimed in claim 10, characterized in that the bulb element is in the form of a plastic injection-molded part, and the diffusers are admixed to
10 the plastic granulate prior to injection molding.
12. The lamp as claimed in claim 10, characterized in that the bulb element is in the form of a plastic injection-molded part, and the diffusers are part of
15 the plastic granulate.
13. The lamp as claimed in one of claims 10 to 12, characterized in that the diffusers are made of fluorescent material.
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14. The lamp as claimed in claim 13, characterized in that the fluorescent material converts UV light components, in particular the emissions in the blue or long-wave UV range (for example Hg lines of the lamp
25 element (15, 15') of the second type) and/or the long-wave UV radiation emitted by the LED elements (12, 12'), into visible light.
15. The lamp as claimed in one of claims 8 to 14,
30 characterized in that the bulb element (16, 24) is in the form of a diffuser.
16. The lamp as claimed in one of the preceding claims, characterized in that at least one lamp element
35 (15, 15') of the second type is arranged on the base (11, 11').

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17. The lamp as claimed in claim 16, characterized in that the lamp element (15, 15') of the second type has a fluorescent layer.

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18. The lamp as claimed in claim 17, characterized in that the arrangement of the lamp element (15, 15') of the second type and the module (13, 13') is selected such that, at a given radiation characteristic for the
5 LED elements (12, 12'), the LED radiation hits, in particular exclusively, the fluorescent layer of the lamp element (15, 15').

19. The lamp as claimed in claim 17 or 18,
10 characterized in that multiple reflections take place between the fluorescent layer and the module (13, 13').

20. The lamp as claimed in one of claims 16 to 20, characterized in that the lamp element (15, 15') of the
15 second type is in the form of a compact fluorescent lamp or a high-pressure discharge lamp.

21. The lamp as claimed in one of claims 16 to 20, characterized in that the lamp element (15, 15') of the
20 second type is designed such that it can be dimmed and/or switched on or off.

22. The lamp as claimed in one of the preceding claims, characterized in that a bulb element (16, 24)
25 is provided which at least partially envelops both the module (13, 13') having the LED elements (12) and the lamp element (15, 15') of the second type.

23. The lamp as claimed in one of the preceding
30 claims, characterized in that the lamp is essentially symmetrical with respect to a central plane (E) of the lamp (10, 10').

24. The lamp as claimed in one of the preceding
35 claims, characterized in that the module (13, 13') is arranged centrally on the base (11, 11').

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25. The lamp as claimed in one of the preceding
claims, characterized in that at least two modules (13,
13') are arranged, in particular spaced apart from one
5 another, symmetrically along a central plane (E) of the
lamp.

26. The lamp as claimed in one of claims 1 to 24,
characterized in that two sections of a module (13,
13') are provided, spaced apart from one another,
symmetrically with respect to a central plane of the
5 lamp.

27. The lamp as claimed in one of the preceding
claims, characterized in that the LED elements (12) are
each provided on one side of the module (13, 13').